MINUTES OF THE 2ND MEETING OF THE
WORKING GROUP ON WATER FOOD ENERGY NEXUS (WG-WFE_N)
7 October 2022, 11:15-13:00 Hours (Session-I)
7 October 2022, 14:00-15:45 Hours (Session-II)
Adelaide, Australia
Strategy Theme: Basin
Presented by the Chairman

Year of Establishment: 2019
Completion of the Mandate: 2025

Mandate (New):

(a) to exchange information, knowledge, and experience, as well as networking on the Water-Food-Energy Nexus topic in order to be up to date with new developments, methods and approaches. This can be the basis for a possible position paper on key issues on the nexus.

(b) to prepare an overview document on the state of the art on improving water use efficiency and productivity within the nexus.

(c) to produce a document of impact of climate change and possible use of non-conventional less water consuming crops.

(d) to prepare an overview document on the state of the art on model applications as useful management tools for water, crops, field and energy management within the nexus.

(e) to prepare and present reports on case studies on recent developments in the countries that are represented in the WG; and from presented cases of the workshops.

(f) to organize international workshops, seminars or symposia on the Nexus topic.

(g) to implement ICID 2030 vision.

Members Present: (1) President Dr. Ragab Ragab (UK), Chairman; (2) Vice President Hon. Dr. K. Yella Reddy (India), Vice-Chairman; (3) Prof. Won-Ho Nam (Korea); (4) Dr. Chung-Feng, Dina (Chinese Taipei Committee); (5) Dr. Vishnu Prasad Pandey (India); (6) Mrs. Narges Zohari (Iran); and (7) Dr. Mahdi Sarai Tabrizi (Iran).

Observers: (i) Mr. Abbas Fadhel (Iraq) represented by Eng. Nisreen Sami; (ii) Mr. Basim Tuama (Iraq) represented by Vice President Eng. Rafat Nael AbdulGhani Al-Intaki; (iii) Ir. Mukhlis Zainol Abidin (Malaysia); (iv) Dr. Watchara Suiadee (Thailand); (v) Dr. Noppadon Kowsuvon (Thailand); (vi) Engr. Jaigyasha Rai Yangkhurung (Nepal); (vii) Ir. Shinji Fukuda (Japan); (viii) Prof. Keigo Noda (Japan); (ix) Ir. Kodeti Kanaka Dorga, Young professional (India); and (x) Prof. Sylvester Mpandeli (South Africa).

Website: http://icid-ciid.org/inner_page/122

WG-WFE-N Minutes Item 1. Action Taken Report by Chair

1. The Chair welcomed the members and briefly presented the report on the actions taken on the decisions and proposals of the working group at its last meeting held in 2021 at Marrakesh, Morocco.

   (a) As decided in Morocco, the WG has organized one virtual meeting successfully and taken up initiatives for preparing a detailed road map towards achieving the objectives of WG.

   (b) For organizing the first International Workshop of WG-WEF_N at Adelaide during the 24th ICID congress, all efforts were made with the help of the Central Office.

WG-WFE-N Minutes Item 2. Review of the membership of the WG-WEF_N

2. The WG reviewed the new nominations of Iraqi National Committee of ICID (IRQCID), Chinese National Committee of ICID (CNCID), and Canadian National Committee of ICID (CANCID). The Chair informed that the physical presence of the members is required for according the approval; otherwise, any representative from that country shall present and represent on their behalf to get formal approval.

3. The Iraqi National Committee of ICID (IRQCID) nominated Mr. Abbas Fadhel & Mr. Basim Tuama (Iraq) for membership of the WG, approved as provisional members.

4. The Chinese National Committee of ICID (CNCID) and Canadian National Committee of ICID (CANCID) have nominated Ir. LIU Dongzhe (China) and Dr. Amani Alfarra (Canada) for membership of WG. However, they were not present in the WG meeting so their membership was provisionally accepted. Membership status is given in Annex 3 (page 29).
5. The Chair informed the members that the 1st virtual meeting of the WG was successfully held on 30 June 2022. WG selected VPH Dr. K Yella Reddy (India) and Dr. Mahdi Sarai Tabrizi (Iran) as Vice-Chairman and Secretary of the WG, respectively.

6. A brief report of the Virtual meeting of the WG held on 30 June 2022. The minutes of this virtual meeting of the WG can be accessed at https://icid-ciid.org/icid_data_web/min_wfe-n_webmeeting30June2022.pdf.

7. The Chair informed that in its first virtual meeting the members of WG were requested to select the area of interest as shown in the 3-year rolling plan based on the Scoping Document for a new Working Group on Nexus. During the Marrakesh meeting (2021) of the WG, Chair briefed about the importance of the WG and explained the details of the Work Plan preparation of a three-year rolling plan from 2021 to 2023. In this regard, Chair thanked the members of the WG for volunteering to be part of the various activities of the WG to achieve the desired outputs.

8. As President of ICID, Chair has also indicated that the other WGs of ICID will be encouraged to develop similar Rolling Plans of the WG. The updated activity table on the 3-year rolling plan of the WG was displayed during the meeting and requested the members who have not shared their names for taking responsibility for the 3-year rolling plan of the WG as a contributor.

9. WG reviewed the activities such as Goals/Strategies, Actions, Outcomes/Outputs, Milestones, and assigning Lead Persons as part of the Road Map to ICID Vision 2030 and updated it. The updated status of the progress on the Road Map to ICID Vision 2030 of the WG was presented by the Chair. As part of the Road Map of the WG, the Chair informed that 1st International Workshop of the WG was organized successfully.

10. The Chair informed that the WG decided to bring out a ‘Technical Report’ based on papers contributed by its members in areas such as – (i) efficient use of water in crop production; (ii) crop water models; (iii) multifunctional water use in paddy; and (iv) rainwater harvesting and energy crops. Further, it was noted that the report would be a consolidation of contributions and collection of information from members on these topics under the mandate of the group. In this regard, NCs of China, Indonesia, Philippines, and Italy have already made their papers for the technical report of the group. While Prof. Zeinab Hussein Behairy (Egypt); Dr. P. Soman (India), and Ir. Felipe Dantas (Australia) members of the WG have also shared their papers titled ‘Rice Story in Egypt’, ‘Drip irrigation and fertigation technology for rice production leading to higher water productivity’ and ‘Australian Rice Market’ as contribution based on the experience as ‘multi-functionality of water use in paddy rice cultivation’ for inclusion in the Technical Report of the WG. VPH Dr. Reddy, has shared the draft report on ‘Water Use in Paddy Rice Cultivation in India’ with the Chair and copy to ICID Central Office.

11. VPH Dr. Marco Arcieri has earlier informed that his report was at the final stages of completion and agreed to submit it by the end of July 2022. Still, it is not received, and the Chair informed that the report will be submitted in two weeks as informed by VPH Dr Marco.

12. Chair informed that he will forward the report after proper editing to the Central Office for bringing out a comprehensive report, useful to the member countries. Chair informed that the publication of the report will go as a contribution of erstwhile WG ‘Water and Crop’.

13. The Chair informed the importance of the Multilingual Technical Dictionary (MTD) and the efforts made so far. The new terminology like Nexus and related terms shall find a place in the MTD for use of the members for a better understanding of the concepts.

14. As an example the Chair explained in detail the difference between ‘Water Use Efficiency’ and ‘Water Productivity’.

15. Mrs. Narges Zohrabi (Iran) member of the WG, who took the responsibility as Coordinator of the MTD of the WG has agreed to coordinate with all members and update MTD with new additions.
16. As part of the Action Plan 2030, the WG organized the International Workshop of the WG-WFE_N on 04 October 2022 on the theme “The Water-Energy-Food-Nexus: Implementation and Examples of Application” and sub-themes – (i) Water-energy-food-Nexus at field, regional and country scales. Examples of applications; (ii) How the environment and ecosystem services benefit from the Nexus; (iii) Economic analysis of food production within the Nexus; (iv) Management practices that promote the Nexus; and (v) Institutional and Governance issues in implementing the Nexus.

17. The Chair informed that total of 9 papers were presented in the international workshop of the WG which was a huge success. The authors have taken up various concepts to quantify the elements of Nexus and presented them well. The Chair has appreciated the efforts made by all the authors in preparing papers and presenting them in the Workshop. The proceeding of the Workshop is now available at the WG website at: <https://icid-ciid.org/icid_data_web/Workshop_WFEN2022.pdf>.

18. The Chair discussed in detail about the ‘Three Year Rolling Plan’ activity wise of the WG WEF_N. The type of output (Document/Report) possible, contributors, and completion dates. He has requested all the contributors to work systematically to reach the milestones as per the plan approved.

19. The Chair informed that the Papers presented in the international workshop were reviewed by him thoroughly and are ‘Oven Ready’ for submitting to any journal for publication.

20. The Chair informed about the new website which is accessible at https://icid-ciid.org/inner_page/147. Chairman encouraged the members for active participation in the activities of the group and facilitate exchange of information, knowledge, and experience, as well as networking on the topic in order to keep themselves up to date with new developments. Members are also encouraged to provide articles, papers, and presentation made on topics related to the scope of the WG to ICID Central Office for uploading on the website of the group.

21. Chair has presented papers in the Workshop which would be uploaded on the WG website for wider circulation.

22. The Chair informed that one positive side effect of COVID was how to get connected remotely through various online platforms.

23. This year, the technical working groups of ICID have organized several webinars based on the mandate of the group which are available at https://icid-ciid.org/inner_page/66. The group may discuss and suggest suitable topics along with names of experts for organizing webinars.

24. The chair requested members to provide their suggestions on the topics, based on the mandate of the WG, on which webinar can be considered along with names of the relevant experts who could be contacted to develop webinars.

25. By seeing the successful conduct of the First International Workshop of WG_WEF_N successfully at Adelaide, it is decided to Conduct next international workshop at Vizag, India during the 25th ICID International Congress going to be held during 1-8 November 2023.

26. ICID Members’ Profile Section: The WG noted the information on the ICID Members’ Profile Section and invited the members to visit the Profile Section for updating their information.

27. Register on World Irrigation Projects (WIP): The members of the WG are encouraged to share appropriate data in the context of ‘Register on World Irrigation and Drainage Schemes (WI&DS).’

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